

Project Title	Funding	Strategic Plan Objective	Institution
An MEG investigation of neural biomarkers and language in nonverbal children with autism spectrum disorders	\$0	Q1.L.A	University of Colorado, Denver
Serum antibody biomarkers for ASD	\$0	Q1.L.A	University of Texas Southwestern Medical Center
Epigenetic biomarkers of autism in human placenta	\$0	Q1.L.A	University of California, Davis
Biomarkers for autism and for gastrointestinal and sleep problems in autism	\$0	Q1.L.A	Yale University
FUNDAMENTAL VISUAL REPRESENTATIONS AND SOCIAL COGNITION IN ASD	\$0	Q1.L.B	ALBERT EINSTEIN COLLEGE OF MEDICINE
GENETIC AND DIAGNOSTIC BIOMARKER DEVELOPMENT IN ASD TODDLERS USING RESTING STATE FUNCTIONAL MRI	\$0	Q1.L.B	Yale University
Subtyping of toddlers with ASD based on patterns of social attention deficits	\$0	Q1.L.B	Yale University
GENETIC AND DIAGNOSTIC BIOMARKER DEVELOPMENT IN ASD TODDLERS USING RESTING STATE FUNCTIONAL MRI	\$0	Q1.L.B	University of California San Diego
IMPLICIT LEARNING ABILITIES PREDICT TREATMENT RESPONSE IN AUTISM SPECTRUM DISORDERS	\$0	Q1.L.B	Weill Cornell Medical College
GENETIC AND DIAGNOSTIC BIOMARKER DEVELOPMENT IN ASD TODDLERS USING RESTING STATE FUNCTIONAL MRI	\$0	Q1.L.B	University of Texas Health Science Center, San Antonio
Receptive vocabulary knowledge in low-functioning autism as assessed by eye movements, pupillary dilation, and event-related potentials	\$0	Q1.L.C	Johns Hopkins University
How autism affects speech understanding in multitalker environments	\$0	Q2.Other	University of Maryland
BRAIN MECHANISMS OF AFFECTIVE LANGUAGE COMPREHENSION IN AUTISM SPECTRUM DISORDERS	\$0	Q2.Other	University of Maryland
Dual modulators of GABA-A and Alpha7 nicotinic receptors for treating autism	\$0	Q2.Other	University of California, Irvine
The role of the new mTOR complex, mTORC2, in autism spectrum disorders	\$0	Q2.Other	Baylor College of Medicine
DISRUPTION OF TROPHIC INHIBITORY SIGNALING IN AUTISM SPECTRUM DISORDERS	\$0	Q2.Other	NORTHWESTERN UNIVERSITY
White matter glial pathology in autism	\$0	Q2.Other	East Tennessee State University
Mechanisms of synaptic alterations in a neuroinflammation model of autism	\$0	Q2.S.A	University of Nebraska
Altered placental tryptophan metabolism: A crucial molecular pathway for the fetal programming of neurodevelopmental disorders	\$0	Q2.S.A	University of Southern California
MATERNAL BRAIN-REACTIVE ANTIBODIES AND AUTISM SPECTRUM DISORDER	\$0	Q2.S.A	Feinstein Institute for Medical Research
Mechanisms of mitochondrial dysfunction in autism	\$0	Q2.S.A	Georgia State University

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Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	\$153,479	Q2.S.D	Nemours Children's Health System, Jacksonville
Neural Correlates of the Y Chromosome in Autism: XYY Syndrome as a Genetic Model	\$290,609	Q2.S.D	Children's Hospital of Philadelphia
AUTISM AND OBESITY: CO-OCCURRING CONDITIONS OR DRUG SIDE EFFECTS?	\$0	Q2.S.E	Children's Mercy Hospital
CIRCADIAN RHYTHMS IN CHILDREN WITH ASD AND THEIR INFANT SIBLINGS	\$0	Q2.S.E	Naval Medical Research Center
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$0	Q2.S.E	Duke University
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$0	Q2.S.E	University of North Carolina
IMAGING DEPRESSION IN ADULTS WITH ASD	\$0	Q2.S.E	State University New York Stony Brook
PRECURSORS TO THE DEVELOPMENT OF ANXIETY DISORDERS IN YOUNG CHILDREN WITH AUTISM SPECTRUM DISORDER	\$0	Q2.S.E	Duke University
PLACENTAL IDENTIFICATION AND IMMUNE QUANTIFICATION OF ACUTE AND/OR CHRONIC INFLAMMATION IN CHILDREN DIAGNOSED WITH PLACENTAL AUTISM IN UNIVERSITY AND COMMUNITY HOSPITALS	\$0	Q3.L.C	Institute for Basic Research in Developmental Disabilities
Prenatal antidepressants and autism spectrum disorder	\$0	Q3.L.C	Cincinnati Children's Hospital Medical Center
PROTEOMIC MAPPING OF THE IMMUNE RESPONSE TO GLUTEN IN CHILDREN WITH AUTISM	\$0	Q3.S.E	Columbia University
Risk factors, comorbid conditions, and epidemiology of autism in children	\$0	Q3.S.H	Henry M. Jackson Foundation
Modeling gut microbial ecology and metabolism in autism using an innovative ex vivo approach	\$0	Q3.S.I	University of Guelph
Metabolic signature of antipsychotics used in the treatment of autism	\$0	Q4.L.C	University of Cincinnati
Neurosteroids Reverse Tonic Inhibition Deficits in Fragile X Syndrome	\$196,672	Q4.Other	Tufts University
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Examination of the mGluR-mTOR pathway for the identification of potential therapeutic targets to treat fragile X	\$0	Q4.S.B	University of Pennsylvania
Novel therapeutic targets to treat social behavior deficits in autism and related disorders	\$0	Q4.S.B	University of Texas Health Science Center, San Antonio
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina

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Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	Salk Institute for Biological Studies
Testing brain overgrowth and synaptic models of autism using NPCs and neurons from patient-derived iPS cells	\$0	Q4.S.B	University of California, San Francisco
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina
Preclinical testing of novel oxytocin receptor activators in models of autism phenotypes	\$0	Q4.S.B	University of North Carolina
A randomized, controlled trial of intranasal oxytocin as an adjunct to behavioral therapy for autism spectrum disorder	\$0	Q4.S.C	Massachusetts General Hospital
Sulforaphane Treatment of Children with Autism Spectrum Disorder (ASD)	\$1,260,906	Q4.S.C	University of Massachusetts, Worcester
Efficacy of the Direct Instruction Language for Learning Program to Promote Expressive and Receptive Language in Children with Autism Spectrum Disorder	\$1,111,918	Q4.S.C	Emory University
Intranasal oxytocin for the treatment of children and adolescents with autism spectrum disorders (ASD)	\$0	Q4.S.C	Holland Bloorview Kids Rehabilitation Hospital
Identifying markers for treatment response to cognitive training in autism spectrum disorders	\$0	Q4.S.F	University of California, Davis
A randomized clinical trial of cognitive enhancement therapy for adults with autism spectrum disorders	\$0	Q4.S.F	University of Pittsburgh
Clinical Trial of a Comprehensive Treatment for High-Functioning Children with ASD	\$1,338,504	Q4.S.F	Canisius College
Tailored behavioral intervention for insomnia in children with autism spectrum disorders	\$0	Q4.S.H	University of Pennsylvania
Using technology to expand and enhance applied behavioral analysis programs for children with autism in military families	\$0	Q5.L.A	University of Nebraska
Evaluating and enhancing driving ability among teens with autism spectrum disorder (ASD)	\$0	Q6.L.A	University of Iowa
Evaluating and enhancing driving ability among teens with autism spectrum disorder (ASD)	\$0	Q6.L.A	University of Virginia
Cognitive and Neural Correlates of Aging in Autism Spectrum Disorder	\$157,357	Q6.Other	Southwest Autism Research & Resource Center
Cognitive and Neural Correlates of Aging in Autism Spectrum Disorder	\$328,127	Q6.Other	St. Joseph's Hospital and Medical Center
IMPROVING HEALTHCARE TRANSITION PLANNING AND HEALTH-RELATED INDEPENDENCE FOR YOUTH WITH ASD AND THEIR FAMILIES	\$0	Q6.S.A	University of Missouri
The Carolina Autism Transition Study (CATS)	\$499,621	Q6.S.B	Medical University of South Carolina

